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LUBRICATING DEVICE FOR FOUR-CYCLE
ENGINE

Abstract:

PROBLEM TO BE SOLVED: To provide a lubricating device for a four-cycle engine which can certainly carry out internal lubrication even in any inclined state.

SOLUTION: A lubricating oil is fed from an oil reserving chamber 18 having a formation which is partitioned from a crank case 16, and does not cause oil leakage in any inclined state into the crank case 16 through a suction part 40 having a weight 43 at its tip, a passage 44 and an intermittent oil feed part 46 by utilizing a negative pressure caused during the up stroke of a piston 24. The lubricating oil which is fed to the crank case 16 and stored is stirred and scattered by a projecting part 65 rotating with a crank web 64 to turn it into an oil mist and fed through a one-way valve 70 to a valve system chamber 18 by utilizing positive pressure generated during the down stroke of the piston 24 for lubricating each part. Since the oil is fed from the oil reserving chamber 18 having no oil leakage by utilizing a pressure difference, internal lubrication certainly becomes possible even in any inclined state.

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